



CEPAL/CARIB 81/6

Date: February 1981

ECONOMIC COMMISSION FOR LATIN AMERICA
Office for the Caribbean

SELECT BIBLIOGRAPHY
ON ENERGY



900029770 - BIBLIOTECA CEPAL

February 1981

P R E F A C E

One of the prime objectives of the Caribbean Documentation Centre is to provide national planners, policy-makers, researchers and their libraries, with an outreaching information service in those areas of co-operation which member governments of the Caribbean Development and Co-operation Committee (CDCC) have identified as crucial for regional, economic and social development.

As one means towards achieving this objective, the Centre produces periodic select bibliographies on subjects which have been designated priority areas within the CDCC Work Programme.

The following bibliography is the second in the series and contains references held by the Centre.

It also contains a guide to the subject headings used, set out in hierarchical order.

Wilma Primus
Documentalist/Librarian

February 1981

HIERARCHICAL DISPLAY OF SUBJECT HEADINGS

- 1. ENERGY - GENERAL
- 2. ENERGY - ECONOMIC ASPECTS
- 3. ENERGY CONSERVATION
- 4. ENERGY CONSUMPTION AND DEMAND
- 5. ENERGY MANAGEMENT
- 6. ENERGY POLICY
(ENERGY REQUIREMENTS see ENERGY CONSUMPTION AND DEMAND)
- 7. ENERGY RESOURCES
 - 7.1 ALTERNATIVE RESOURCES
 - 7.11 BIOMASS
 - 7.111 AGRICULTURAL WASTE
 - 7.112 FORESTRY
 - 7.113 MARINE FLORA
 - 7.12 CHARCOAL
 - 7.13 GEOTHERMAL
 - 7.14 HYDROGEN
 - 7.15 HYDROPOWER
 - 7.16 OCEAN POWER
 - 7.161 OCEAN THERMAL
 - 7.162 OCEAN TIDAL
 - 7.163 OCEAN WAVE
 - 7.17 SOLAR
 - 7.171 INSOLATION
 - 7.172 RADIATION
 - 7.18 WIND
 - 7.2 FOSSIL RESOURCES
(ATOMIC see NUCLEAR)
 - 8.21 COAL
 - 8.22 GASEOUS FUELS
 - 8.23 LIQUID FUELS
 - 8.24 NUCLEAR RESOURCES
(RADIOACTIVE see NUCLEAR)
 - 8.25 SOLID FUELS

- 9. ENERGY TECHNOLOGIES
 - 9.1 ALTERNATIVE TECHNOLOGIES
 - 9.11 BIOCONVERSION
 - 9.111 AGRICULTURAL WASTE
 - 9.112 FORESTRY
 - 9.113 MARINE FLORA
 - 9.12 CHARCOAL
 - 9.13 GEOTHERMAL
 - 9.14 HYDROGEN
 - 9.15 HYDROPOWER
 - 9.16 OCEAN POWER
 - 9.161 OCEAN THERMAL
 - 9.162 OCEAN TIDAL
 - 9.163 OCEAN WAVE
 - 9.17 SOLAR
 - 9.171 INSOLATION
 - 9.172 RADIATION
 - 9.18 WIND
 - 9.2 FOSSIL TECHNOLOGIES
 - 9.21 COAL
 - 9.22 GASEOUS FUELS
 - 9.23 LIQUID FUELS
 - 9.24 NUCLEAR
 - 9.25 SOLID FUELS
- (SOLAR TECHNOLOGIES see ALTERNATIVE TECHNOLOGIES)
- 10. ENERGY UTILIZATION

C O N T E N T S

	<u>Page nos.</u>
AGRICULTURAL WASTE (Alternative Resources)	8
AGRICULTURAL WASTE (Alternative Technologies)	13
ALTERNATIVE TECHNOLOGIES	11 - 16
ALTERNATIVE RESOURCES	7 - 10
BIOCONVERSION	12 - 13
BIOMASS	7
CHARCOAL (Alternative Technologies)	14
ENERGY - ECONOMIC ASPECTS	2
ENERGY - GENERAL	1 - 2
ENERGY CONSERVATION	2 - 3
ENERGY CONSUMPTION AND DEMAND	3
ENERGY MANAGEMENT	3
ENERGY POLICY	3 - 5
ENERGY REQUIREMENTS <u>see</u> ENERGY CONSUMPTION AND DEMAND	
ENERGY RESOURCES	6 - 11
ENERGY TECHNOLOGIES	11 - 16
ENERGY UTILIZATION	16 - 17
FORESTRY (Alternative Resources)	8
FORESTRY (Alternative Technologies)	14
FOSSIL RESOURCES	10 - 11
FOSSIL TECHNOLOGIES	16
GASEOUS FUELS (Fossil Resources)	10
GEO THERMAL (Alternative Resources)	8 - 9
HYDROPOWER (Alternative Resources)	9 - 10
HYDROPOWER (Alternative Technologies)	14 - 15
LIQUID FUELS (Fossil Resources)	11
NUCLEAR (Fossil Resources)	11
OCEANPOWER (Alternative Resources)	10
OCEAN THERMAL (Alternative Resources)	10
OCEAN WAVE (Alternative Resources)	10
SOLAR (Alternative Resources)	10
SOLAR (Alternative Technologies)	15 - 16
WIND (Alternative Resources)	10
WIND (Alternative Technologies)	16

ENERGY - GENERAL

- 001 Abstracts of Selected Solar Energy Technology. - Tokyo: United Nations University, 1979-
Monthly publication.
- 002 Caribbean Development Bank. Technology and Energy Unit.
List of acquisitions. - Wildey, St. Michael, Barbados:
CDB., 1980-
Bi-monthly publication.
- 003 Castillo, F.J.
Documento de base para el estudio de la Situación energetica en la Republica Dominicana / preparado por Dr. Francisco José Castillo e Ing. José Ramón Acosta. - Santo Domingo: Comisión Nacional de Política Energetica, 1979. - 41p.
- 004 Establishment of the energy and technology information system for the Caribbean Development Bank. In UNISIST Newsletter, vol. 8, no. 2-3, 1980, p. 27.
- 005 Iglesias, E.V.
The energy challenge. In CEPAL Review. no. 10, April 1980.
- 006 International information system relating to new and renewable sources of energy. In UNISIST Newsletter, vol. 8, no. 2-3, 1980, p.21.
- 007 McGraw-Hill encyclopedia of energy / by Daniel N. Lapedes. Editor in chief. - New York, McGraw-Hill, 1976. - 785p.
- 008 Mullen, Joseph W.
Energy in Latin America: the historical record. Santiago: CEPAL, 1978. - 66p. - (Cuadernos de la CEPAL).
- 009 Shearer, W.
The renewable energy activities of the UN University: an integrated approach. In ASSET, vol. 2, no. 7, July/August 1980, p. 18-20.
- 010 Survival a special report. In Times (London), June 5, 1980, p. 21-26.
- 011 UN. ECLA Office for the Caribbean. Caribbean Development and Co-operation Committee. Meeting of Experts of CDCC Countries on Strategy for the Third Development Decade - Bridgetown, Barbados. 19-21 May 1980.
Energy and natural resources in the Caribbean in the 1980's. - 1980. - 14 p. - (CDCC/DD/80/3/Add.1).

- 012 World Bank
Energy in the developing countries. - Washington D.C.: World Bank, 1980. - 92p.

ENERGY - ECONOMIC ASPECTS

- 013 Blowing hard. In the Economist, vol. 274, no. 7119, Feb. 9, 1980, pp. 90-92.
- 014 Costing alternatives to oil. In the Economist, vol. 273, no. 7101, Oct. 6, 1979, p. 124-125.
- 015 Kohli, H.S.
Renewable energy: alcohol from biomass. In Finance and Development, vol. 17, no. 4, p. 18-22.
- 016 Mullen, J.W.
World oil prices: prospects and implications for energy policy-makers in Latin America's oil-deficit countries. Santiago, CEPAL, 1978. - 79p. - (Cuadernos de la CEPAL).
- 017 Tait, A.A.
Energy and the role of gasoline taxation / by Alan A. Tait and David R. Morgan. In Finance and Development, vol. 17, no. 2, June 1980.
- 018 Tewari, S.K.
Economics of wind energy use for irrigation in India. In ASSET, vol. 1, no. 6, June 1979, p. 11-16.
- 019 UN. CEPAL. Subside de México.
El impacto del incremento del precio de los hidrocarburos sobre la economía de la Republica Dominicana. - 1981. - 91p. - (CEPAL/MEX/1035).
- 020 United Nations Industrial Development Organization. Workshop on Fermentation Alcohol for use as fuel and chemical feedstock in Developing Countries. Vienna, Austria, 26-30 March 1979.
Agrochemistry comes of age: fermentation alcohol as basic raw material for a chemical industry / by P. Yakovleft and M. Gcharel. - 24p. - (ID/WG.293/3).
- 021 Wave power: costly option. In the Economist, vol. 271, no. 7081, May 19, 1979, pp. 104.

ENERGY CONSERVATION

- 022 Conserving energy can damage your health. In Economist, vol. 275, no. 7134, May 24, 1980.

- 023 Sachs, I.
Estrategias de desarrollo con requerimientos energéticos moderados: problemas y enfoques. In Revista de la CEPAL, no. 12, Dec. 1980, p. 107-113.
- 024 United Nations. Economic Commission for Europe.
The Economic Commission for Europe and energy conservation: recent experience and prospects. - New York: UN, 1980. - iv, 76p. - (E/ECE/985).

ENERGY CONSUMPTION AND DEMAND

- 025 Goodman, R.
Managing the demand for energy in the developing world. In Finance and Development, vol. 17, no. 4, Dec. 1980, pp. 9-13.
- 026 Pindyck, R.S.
Interfuel substitution and the industrial demand for energy: an international comparison. In Review of Economics and Statistics, vol. 61, no. 2, May 1979.

ENERGY MANAGEMENT

- 027 Commonwealth Science Council. Organization of American States.
Caribbean alternative energy programme: report of the Workshop on energy accounting for the Caribbean, 14-18 May, 1979, San Juan, Puerto Rico. - London: Commonwealth Science Council, 1980. - Various pagings. - (CSC(79)AER-8).
- 028 Goodman, R.
Managing the demand for energy in the developing world. In Finance and Development, vol. 17, no. 4, Dec. 1980, p. 9-13.
- 029 United Nations Economic and Social Council. Experience gained with the provisional overall energy balance in the ECE region. - (CES/AC,32/16).
- 030 United Nations Economic and Social Council.
Progress report on the development of international energy statistics, 1976. - Various pagings. - (E/CN.3/504).
- 031 UN. Economic Commission for Asia and the Far East.
Comprehensive energy surveys: an outline of procedure. - New York: UN, 1967. - 57p. - (E/CN.11/753).

ENERGY POLICY

- 032 Brown, Lester
Food vs. fuel: national plans for energy crops. In Development Forum, vol. viii, no. 4, May 1980.

- 033 International Energy Agency. --Energy policies and programmes of IEA countries. - 1977. - Paris: OECD, 1978. - 333p.
- 034 Mullen, J.W.
World oil prices: prospects and implications for energy policy-makers in Latin America's oil-deficit countries. Santiago, CEPAL, 1978. - 79p. - (Cuadernos de la CEPAL).
- 035 Patel, S.J.
Energy policies and collective self-reliance of the third world. - Vienna: Vienna Institute for Development, 1978. - 20p. - (Occasional paper; 78/5).
- 036 Sachs, I.
Estrategias de desarrollo con requerimientos energéticos moderados: problemas y enfoques. In Revista de la CEPAL, no. 12, Dec. 1980, p. 107-113.
- 037 Satcunanathan, S.
A developmental strategy for the utilization of solar energy in the West Indies. - St. Augustine: University of the West Indies, 1976. - 13, 6p.
- 038 Shearer, W.
The United Nations Conference on New and Renewable Sources of Energy / Walter Shearer and Shem Arungu-Olende. In ASSET, vol. 2, no. 4, April 1980, p. 14-20.
- 039 UN. CEPAL. Comité de Cooperación Económica del Istmo Centro-Americano. Sub-comité Centro-Americano de Electrificación y Recursos Hidráulicos. Grupo Regional de Energía Geotérmica (GREG). Primera Reunión. San Salvador, El Salvador, 14 y 15 febrero de 1978.
Geothermal electric power development 1980-2000: preliminary proposals. - 1978. - 5, [11]. - (CCE/SC.5/GREG/1/D1.5).
- 040 UN. ECLA Office for the Caribbean. CDCC. Fifth session. Kingston, Jamaica, 4-10 June 1980.
The United Nations Conference on new and renewable sources of energy: Its relevance for CDCC member states. - 1980. - 12 [3] p. - (E/CEPAL/CDCC/67).
- 041 UN. ECLA Office for the Caribbean. CDCC. Latin American Institute for Social and Economic Planning. Second Meeting of Planning Officials in the Caribbean. 29 May - 2 June 1980, Kingston, Jamaica.
Planning the energy sector / by Trevor M.A. Farrell. - 1980. - 16p. - (CDCC/PO/WP/80/7).
- 042 UNEP/CEPAL. Meeting of Government Nominated Experts to Review the Draft Action Plan for the Wider Caribbean Region. Caracas, Venezuela, 28 January - 1 February, 1980.
Overview on energy and environment in the Caribbean area / prepared with the co-operation of UNIDO. - 1979. - 228p. - (E/CEPAL/PROY.3/L.INF.9).

- 043 UN. General Assembly Preparatory Committee for the United Nations Conference on New and Renewable Sources of Energy. Second session 21 July - 1 August 1980. Agenda item 2(b).
Consideration of the reports concerning preparatory activities for the conference. Overall report of the Secretary-General of the conference taking into account decision 5(1) of the Committee. Synthesis of technical information on new and renewable sources of energy. - 1980. - 26,8,4p. - (A/CONF.100/PC/17).
- 044 United Nations General Assembly Preparatory Committee for the United Nations Conference on New and Renewable Sources of Energy. Second session, 21 July - 1 August 1980. Item 3 of the provisional agenda.
Interim reports of the technical panels: report of the technical panel on geothermal energy on its first session. - 1980. - Various pagings. - (A/CONF.100/PC/7).
- 045 UN. General Assembly Preparatory Committee for the United Nations Conference on New and Renewable Sources of Energy. Second session 14-25 July 1980. Item 3 of the provisional agenda.
Interim reports of the technical panels: report of the technical panel on ocean energy on its first session. - 1980. - Various pagings. - (A/CONF.100/PC/9).
- 046 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
The planning and development of minor-sized hydroelectric projects by ESCAP. - 1980. - 27p. - (ID/WG.305/34).
- 047 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
Preliminary study of OLADE's regional programme on small hydro electric plants for Latin America (scope, classification and strategy of development / by OLADE. - 1980. - 72p. - (ID/WG.305/30).
- 048 UNIDO. Workshop on Fermentation Alcohol for Use as Fuel and Chemical Feedstock in Developing Countries, Vienna, Austria, 26-30 March 1979.
Necessary conditions to promote and realize a policy for energy and chemicals based on 'green petrol' / by Pierre Mariotte. - 1979. - (ID/WG.293/24).

ENERGY REQUIREMENTS see ENERGY CONSUMPTION AND DEMAND

ENERGY RESOURCES

- 049 OAS. Third Caribbean Seminar on Science and Technology Policy and Planning. Caribbean Task Force.
Identification and assessment of conventional and non-conventional energy resources of Barbados (preliminary version) / T. Fletcher. - Washington, D.C.: OAS, 1977. - Various pagings. - (Doc. No. 2).
- 050 OAS. Third Caribbean Seminar on Science and Technology Policy and Planning. Caribbean Task Force.
Identification and assessment of conventional and non-conventional energy resources of Grenada (preliminary version) / T. Fletcher. - Washington, D.C.: OAS, 1977. - Various pagings. - (Doc. No. 3).
- 051 OAS. Third Caribbean Seminar on Science and Technology Policy and Planning. Caribbean Task Force.
Identification and Assessment of conventional and non-conventional energy resources of Guyana / T. Fletcher. - Washington, D.C.: OAS, 1977. - Various pagings. - (Doc. No. 4).
- 052 OAS. Third Caribbean Seminar of Science and Technology Policy and Planning. Caribbean Task Force.
Identification and assessment of conventional and non-conventional energy resources of Haiti (preliminary version) / S. Satcunanathan. - Washington, D.C.: OAS, 1977. - Various pagings. - (Doc. No. 5).
- 053 OAS. Third Caribbean Seminar of Science and Technology Policy and Planning. Caribbean Task Force.
Identification and assessment of conventional and non-conventional energy resources of Jamaica (preliminary version) / S. Satcunanathan. - Washington, D.C.: OAS, 1977. - Various pagings. - (Doc. no. 6).
- 054 OAS. Third Caribbean Seminar on Science and Technology Policy and Planning. Caribbean Task Force.
Identification and assessment of conventional and non-conventional energy resources of Trinidad and Tobago / S. Satcunanathan. - Washington, D.C. - OAS, 1977. - Various pagings. - (Doc. no. 7).
- 055 UN. ECLA Office for the Caribbean. CDCC. Fifth session, Kingston, Jamaica. 4-10 June 1980.
Energy resources in the CDCC member countries. - 1980. - [viii], 67p. - (E/CEPAL/CDCC/65).
- 056 World Bank
Prospects for traditional and non-conventional energy sources in developing countries / prepared by David Hughtart, Energy Department, Central Projects Staff. - Washington D.C.: World Bank, 1979. - ii, 132, 2p. - (World Bank staff working paper; no. 346).

ALTERNATIVE RESOURCES

- 057 Data, R.L.
Frontiers of solar energy research and development. In ASSET, vol. 1, no. 10, October 1979, p. 12-16.
- 058 Dosik, R.S.
Searching for "new" energy / by R.S. Dosik and D. Hughart. In Report: News and Views from the World Bank, May-June 1980.
- 059 Instant fuel, just add money. In The Economist, vol. 275, no. 7138, June 21, 1980. pp. 35-36.
- 060 Satcunanathan, S.
Non-conventional energy resources for the West Indies. In OAS Studies on Scientific and Technological Development, no. 28, p. 25-39.
- 061 South East Asian specialists study alternative energy sources for rural communities at ILO Turin Centre. In ILO Turin Centre Newsletter, no. 9, 1980.
- 062 United Nations Industrial Development Organization.
Information sources on non-conventional sources of energy. - New York, UN., 1978. - 110p. (UNIDO guide to information sources, no. 30).

Biomass

- 063 Brown, Lester
Food vs. fuel: national plans for energy crops. In Development Forum, vol. viii, no. 4, May 1980.
- 064 Gajraj, A.M.
Biological energy resources for the West Indies. In OAS Studies on Scientific and Technological Development, no. 28, p. 44-47.
- 065 Gajraj, A.M.
Prospects for biogas systems for the Caribbean. - St. Augustine, University of the West Indies, 1976. - 9,5p.
- 066 Kohli, H.S.
Renewable energy: alcohol from biomass. In Finance and Development, vol. 17, no. 4, p. 18-22.
- 067 Pena, A.A.
Perspective of ethanol usage as fuel in the Dominican Republic. - Vienna, UNIDO, 1979. - 6p. - (ID/WG.293/46).

Agricultural Waste

- 068 David, E.
Fuel and sugar industry. In Group of Latin-american and Caribbean Sugar Exporting Countries Secretariat Bulletin, no. 11, July-Sept, 1979. - 4p.
- 069 Goldemberg, J.
Gasohol: the mark of cane. In Development Forum, vol. 8, no. 10, Dec. 1980, p.11.
- 070 The 1980's - a period of consolidating energy awareness and by-product establishment in the sugar industry. In Barbados Sugar Review, no. 43, March 1980.
- 071 Punjab Agricultural University, College of Agricultural Engineering, Department of Processing and Agricultural Structures.
Energy balance and utilization of agricultural waste on a farm: final report of the project. Sponsored by Tata Energy Research Institute. - Ludhiana: Punjab Agricultural University, 1980. - 79p.
- 072 Sangster, I.
The potential of sugar cane derived alcohol as a fuel in Jamaica. - Vienna, UNIDO, 1979. - 13p. - (ID/WG.293/48).
- 073 United Nations Industrial Development Organization. Workshop on Fermentation Alcohol for use as fuel and chemical feedstock in Developing Countries. Vienna, Austria, 26-30 March 1979.
Agrochemistry comes of age: fermentation alcohol as basic raw material for a chemical industry / by P. Yakovleft and M. Goharel. - 24p. - (ID/WG.293/3).
- 074 United Nations Industrial Development Organization. Workshop on Fermentation Alcohol for Use as Fuel and Chemical Feedstock in Developing Countries, Vienna, Austria, 26-30 March 1979.
Necessary conditions to promote and realize a policy for energy and chemicals based on 'green petrol' / by Pierre Mariotte. - 1979. - (ID/WG.293/24).

Forestry

- 075 UNIDO. Seminar on Wood Processing Industries. Cologne and Hannover, FRG, 16-30 May 1979.
Evaluation of wood residues as an energy source for forest industries / by K.Keor. - 26p. - (ID/WG.296/31).

Geothermal

- 076 Fridleifsson, I.
Drill deep for power. In Development Forum, vol. viii, no. 8, October 1980, p. 7.
Concerns geothermal energy.

- 077 Kuide, X.
China's new energy bid. In Development Forum, vol. viii,
no. 8, October 1980, p.7.
Concerns geothermal energy.
- 078 Tomblin, J.
Geothermal power in the West Indies. - 1976. - 10p.
Presented at the Seminar on "Non-conventional Energy Sources",
Port of Spain, Trinidad, November 15-19, 1976.
- 079 UN. CEPAL. Comité de Cooperación Económica del Istmo Centro-
Americano. Subcomité Centro-Americano de Electrificación y
Recursos Hidráulicos. Grupo Regional de Energía Geotermico
(GREG). Primera Reunión. San Salvador, El Salvador, 14 y 15
febrero de 1978.
Geothermal electric power development 1980-2000:
preliminary proposals. - 1978. - 5, /_ii_. -
(CCE/SC.5/GREG/1/DI.5).
- 080 UN. CEPAL. Comité de Cooperación Económica del Istmo
Centroamericano. Subcomité Centroamericano de Electrificación
y Recursos Hidráulicos. Grupo Regional de Energía Geotermico
(GREG). Primera Reunión. San Salvador, El Salvador, 14-15 de
febrero de 1978.
A quantative assessment of unproven geothermal power reserves
in Central America, explanatory note. - 1978. - 4,2,7p.
(CCE/SC.5/GREG/1/DI.6).
- 081 United Nations General Assembly Preparatory Committee for the
United Nations Conference on New and Renewable Sources of Energy.
Second session, 21 July - 1 August 1980. Item 3 of the
provisional agenda.
Interim reports of the technical panels: report of the
technical panel on geothermal energy on its first session. -
1980. - Various pagings. - (A/CONF.100/PC/7).

Hydropower

- 082 Guyana's bid for hydropower. In Caribbean Contact, December
1980, p.7.
- 083 UNIDO. Seminar-Workshop on the Exchange of Experiences and
Technology Transfer on Mini Hydro Electric Generation Units.
Kathmandu, Nepal, 10-14 September 1979.
The role of hydro power in rural development / by Lionel Mackay,
Bob Yoder. - 1980. - 15p. - (ID/WG.305/45).
- 084 UNIDO. Seminar-Workshop on the Exchange of Experiences and
Technology Transfer on Mini Hydro Electric Generation Units.
Kathmandu, Nepal, 10-14 September 1979.
Seminar report on development of small-scale hydroelectric
power and fertilizer production in Nepal / by the Asia Society
(SEADAG). - 1980. - 19p. - (ID/WG.305/27).

- 085 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.

Some considerations on mini hydro generation units development and application / by Joyati Limited. - 6p. - (ID/WG.305/10).

Oceanpower

- 086 United Nations. General Assembly Preparatory Committee for the United Nations Conference on New and Renewable Sources of Energy. Second session 14-25 July 1980. Item 3 of the provisional agenda.

Interim reports of the technical panels: report of the technical panel on ocean energy on its first session. - 1980. - Various pagings. - (A/CONF.100/PC/9).

Ocean Thermal

- 087 Oceans of energy: [Ocean thermal energy conversion]. In Development Forum, vol. viii, no. 3, April 1980.

Ocean Wave

- 088 Wave power: costly option. In The Economist, vol. 271, no. 7081, May 19, 1979, p. 104.

Solar

- 089 Headley, O.

Potential applications of Solar energy in Barbados. In OAS Studies on Scientific and Technological Development, no. 30, p. 123-128.

- 090 Satcunanathan, S.

A development strategy for the utilization of Solar energy in the West Indies. - St. Augustine, University of the West Indies, 1976. - 13,6p.

Wind

- 091 Acres Consulting Services Ltd.

Wind power in the Caribbean; a case study of Antigua. - Toronto: Acres Consulting Services Ltd., 1977. - 28p.

- 092 Blowing hard. In The Economist, vol. 274, no. 7119, February 9, 1980, p. 90-92.

FOSSIL RESOURCES

ATOMIC see NUCLEAR

Gaseous Fuels

- 093 Vedavalli, R.

Petroleum and gas in non-OPEC developing countries: 1976 - 1985 / by R. Vedavalli - Washington, D.C., World Bank, 1978. - Various pagings (World Bank Staff Working Paper, No. 289).

Liquid Fuels

- 094 Pindyck, R.S.
Interfuel substitution and the industrial demand for energy: an international comparison. In Review of Economics and Statistics, vol. 61, no. 2, May 1979.
- 095 Vedavalli, R.
Petroleum and gas in non-OPEC developing countries: 1976 - 1985 / by R. Vedavalli. - Washington, D.C. World Bank, 1978. - Various pagings (World Bank Staff Working Paper, no. 289).

Nuclear

- 096 Rosa, L.P.
Nuclear energy in Latin America: the Brazilian case. - Tokyo: UN University, 1980. - 20p. - (HSDRSCA-38/UNUP-183).

RADIOACTIVE see NUCLEAR

ENERGY TECHNOLOGIES

- 097 UNCTAD
Major technology issues in the energy sector of developing countries. - New York: UN, 1980. - iii, 16,3p. - (TD/B/C.6/65).
- 098 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
The planning and development of minor-sized hydroelectric projects / by ESCAP. - 1980. - 27p. - (ID/WG.305/34).

ALTERNATIVE TECHNOLOGIES

- 099 McGaw, D.R.
Energy and drying. - St. Augustine, University of the West Indies, 1976. - 13p.
- 100 UNICEF
Appropriate village technology for basic services: a catalogue of devices displayed at the UNICEF/Kenya Government, Village Technology Unit Nairobi, Kenya. - Nairobi: Unicef, 1977. - 55p.
- 101 United Nations Industrial Development Organization.
Appropriate industrial technology for energy for rural requirements. - New York: United Nations, 1979. - ix, 169p. - (Monographs on appropriate industrial technology; no. 5).

Bioconversion

- 102 Gabriel, A.
Energy balance of biomass fuels. In Span, vol. 23, no. 3, 1980.
p. 107-108.
- 103 Hall, D.O.
Plants as an energy source. In ASSET, vol. 1, no. 5, May 1979,
p. 13-16.
- 104 Jawetz, P.
The common sense approach in developing fuel alcohols. - Vienna,
Unido, 1979. - 8p. - (ID/WG.293/12).
- 105 Johnson, J.D.
Oils and rubber from arid land plants / by Jack D. Johnson and
C. Wiley Hinman. In ASSET, vol. 2, no. 5, May 1980, p. 16-20.
- 106 Moreira, José Roberto
Energy balance for the production of ethyl and methyl alcohol. -
Vienna, UNIDO, 1979. - 36p. - (ID/WG.293/21).
- 107 Scheffler, W.
Guayule bounces back. In Americas, vol. 33, no. 1, January
1981, p. 6-8.
A shrub producing natural rubber with no dependence on oil.
- 108 Stewart, G.A.
Liquid fuel from agriculture and forestry. In Span, vol. 23,
no. 3, 1980, p. 105-107.
- 109 UNIDO. Technical Consultations among Developing Countries on
Large-scale Biogas Technology in China. Beijing, China, 4-19 July
1980.
A biogas power station in Foshan: energy from night soil / by
Chen Ru-Chen, Huan Cong, Zio Zhi-Ping. - 1980. - 9p. -
(ID/WG.321/9).
- 110 UNIDO. Technical Consultations among Developing Countries on
Large-scale Biogas Technology in China. Beijing, China, 4-19 July
1980.
Biogas utilization / prepared by Siehuan Provincial Office for
Biogas Development, Siehuan, China. - 1980. - 23p. -
(ID/WG.321/6).
- 111 UNIDO. Technical Consultations among Developing Countries on
Large-scale Biogas Technology in China. Beijing, China, 4-19 July
1980.
Collection of simple biogas digester designs / prepared by the
Southwest Architectural Designing Institute, Siehuan, China. - 1980. -
54p. - (ID/WG.321/1).

- 112 UNIDO. Technical Consultations among Developing Countries on Large-scale Biogas Technology in China. Beijing, China, 4-19 July 1980.
Design and construction on large-scale biogas digesters in China / prepared by Chengdu Institute of Biogas Research. - 1980. - 25p. - (ID/WG.321/5).
- 113 UNIDO. Technical Consultations among Developing Countries on Large-Scale Biogas Technology in China. Beijing, China, 4-19 July 1980.
Design and operation for low ambient temperature biogas production / by A.C. Hollingdale. - 1980. - 14p. - (ID/WG.321/7).
- 114 UNIDO. Technical Consultations among Developing Countries on Large-scale Biogas Technology in China. Beijing, China, 4-19 July 1980.
Report on utilization of waste heat from biogas power generation / prepared by the Biogas Experimental Station of Nanhui County, Shanghai Municipality, Institute of Industrial Microbiology, Shanghai, China. - 1980. - 12p. - (ID/WG.321/4).
- 115 United Nations University.
Bioconversion of organic residues for rural communities: papers presented at the Conference of the State of the Art of Bioconversion of Organic Residues for Rural Communities, held at the Institute of Nutrition of Central America and Panama, Guatemala City, Guatemala, 13-15 November 1978. - Tokyo: UN University, 1979. - iv, 176p. - (IPWN-1/UNUP-43).

Agricultural Waste

- 116 Carracedo, R.G.B.
Analyses of tendencies in the production of ethyl alcohol by fermentation. In Group of Latin American and Caribbean Sugar Exporting Countries Secretariat Bulletin, no. 11, July-Sept. 1979.
- 117 Santana, A
The production of biogas from cattle slurry: the effects of concentrations of total solids and animal diet / A. Santana and B. Pound. In Tropical Animal Production, vol. 5, no. 2, 1980. - p. 130-135.
- 118 UNIDO. Workshop on Fermentation Alcohol for Use as Fuel and chemical feedstock in Developing Countries. Vienna, Austria, 26-30 March 1979.
New developments in continuous alcoholic fermentation intensification - simplification - economization / by J. Meyrath. - (ID/WG.293/8).

Forestry

- 119 UNIDO. Seminar on Wood Processing Industries. Cologne and Hannover, FRG, 16-30 May 1979.

Economic utilization of wood waste and its value for power generation in wood processing industries / by G. Schrenk. - 1979. - 20p. - (ID/WG.296/17/Rev.1).

Charcoal

- 120 Ffoulkes, D.

Feasibility of using pressed sugar cane stalk for the production of charcoal / D. Ffoulkes, R. Elliot and T.R. Preston. In Tropical Animal Production, vol. 5, no. 2, 1980, p. 125-129.

- 121 International Labour Organization

Charcoal making for small-scale enterprises: an illustrated training manual. - Geneva: ILO, 1975. - 26p.

Hydropower

- 122 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.

Case study of the planning and construction of a mini hydro power plant / by Norwegian Water Resources and Electricity Board (NVE). - 1980. - 21p. - (ID/WG.305/36).

- 123 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.

Construction of the water power stations on Beijing - Miyun diversion canal / by Beijing Design and Exploration Bureau of Water Power. - 1980. - 29p. - (ID/WG.305/39).

- 124 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.

Development and application of mini-hydro electric generating units in the developing countries - India / by P.K. Behl. - 1980. - 20p. - (ID/WG.305/46).

- 125 UNIDO. Seminar-Workshop on the Exchange of Experience and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.

Development and application of small hydro-electric power plants / by Satish Dewan. - /ii/ 42p. - (ID/WG.305/8).

- 126 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.

Development of equipment for harnessing hydropower on a small-scale / by U. Meier. - 1980. - 16p. - (ID/WG.305/43).

- 127 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
Development of mini and micro hydro electric power stations in Pakistan / by Asad Asghar Ali. - 1980. - 9p. (ID/WG.305/33).
- 128 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
Preliminary study of OLADE'S regional programme on small hydro electric plants for Latin America (scope, classification and strategy of development / by OLADE. - 1980. - 72p. - (ID/WG.305/30).
- 129 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
Hydroelectric power technology in Norway, with special emphasis on small-scale power plants / by Norwegian Water Resources and Electricity Board (NVE). - 1980. - 81p. - (ID/WG.305/40).
- 130 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
Micro Hydropower development / by Engineering Consulting Firms Association, Japan. - 1980. - 23p. - (ID/WG.305/29).
- 131 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
Mini Hydro power development program in Burma / by U. Kyaw Thein. - 1980. - 6p. - (ID/WG.305/44).

Solar

- 132 Fan, J.C.C.
Simplified fabrication of GaAs homojunction Solar cells with increased conversion efficiencies / John C.C. Fan, Carl O. Bazler and Ralph L. Chapman. In ASSET, vol. 2, no. 3, March 1980, p. 19-20.
- 133 Headley, O. St. C.
The design and construction of a 20 square metre solar drier and its associated rock pile heat storage unit for presentation at the Seminar on development of non-conventional energy sources, U.W.I. November 15-19, 1976. - 1976. - 13p.
- 134 Headley, O. St. C.
Solar energy devices as applications of intermediate technology. In OAS Studies on Scientific and Technological Development, no. 28, p. 40-43.

- 135 Kettani, M.A.
Solar water desalination. In ASSET, vol. 2, no. 2, February 1980,
p. 15-20.
- 136 Zōngnán, L.
Solar stills by Lǐ Zōngnan and Wú Qīng. In ASSET, vol. 2, no. 8,
September 1980, p. 15-20.

Wind

- 137 Raju, S.P.G.
A low-cost water pumping windmill using a Sail-type Savonious rotor /
S.P. Govinda Raju and R. Navasimha. In ASSET, vol. 2, no. 6, June
1980, p. 15-20.
- 138 Republic Group
Executive summary of a comprehensive program to utilize wind
energy for electric power generation. - Arlington, Virginia: Republic
Group, 1980. - Various pagings.
Concerns Barbados.
- 139 Republic Group
Executive summary of a comprehensive program to utilize wind
energy for electric power generation. - Arlington, Virginia: Republic
Group, 1980. - Various pagings.
Concerns Montserrat.
- 140 Tewari, S.K.
Economics of wind energy use for irrigation in India. In ASSET, vol. 1,
no. 6, June 1979, p. 11-16.

FOSSIL TECHNOLOGIES

Liquid Fuels

- 141 British Petroleum Company Ltd.
Our industry petroleum: a handbook dealing with the organization
and functions of an integrated international oil company with particular
reference to the British Petroleum Company Limited. - London: British
Petroleum Co. Ltd., 1977. - 600 p.
- 142 Oil: getting it out. In Economist, vol. 276, no. 7144, August 2nd,
1980.

SOLAR TECHNOLOGIES see ALTERNATIVE TECHNOLOGIES

ENERGY UTILIZATION

- 143 Bahadori, M.N.
Solar energy utilization for developing countries. In ASSET,
vol. 1, no. 8, August 1979, p. 12-16.

- 144 Gibbs, B.A.
Background paper on energy production and utilization in Guyana. - Georgetown: / /, 1977. - 25p.
- 145 Headley, O.
Potential applications of Solar energy in Barbados. In OAS Studies on Scientific and Technological Development, no. 30, p. 123-128.
- 146 Ould-Henia, B.
Integrated Solar village in Algeria / Baghdad Ould-Henia and Walter Shearer. In ASSET, vol. 2, no. 1, January 1980, p. 18-20.
- 147 Punjab Agricultural University, College of Agricultural Engineering, Department of Processing and Agricultural Structures.
Energy balance and utilization of agricultural waste on a farm: final report of the project. Sponsored by Tata Energy Research Institute. - Ludhiana: Punjab Agricultural University, 1980. - 79p.
- 148 Reddy, A.M.K.
The design of rural energy centres / Amulya Kumar N. Reddy and D.K. Subramanian. In ASSET, vol. 2, no. 9, October 1980, p. 14-20.
- 149 Satcunanathan, S.
A developmental strategy for the utilization of Solar energy in the West Indies. - St. Augustine, University of the West Indies, 1976. - 13,6p.
- 150 UNIDO. Seminar-Workshop on the Exchange of Experiences and Technology Transfer on Mini Hydro Electric Generation Units. Kathmandu, Nepal, 10-14 September 1979.
The role of hydro power in rural development / by Lionel Mackay, Bob Yoder. - 1980. - 15p. - (ID/WG.305/45).

OTHER BIBLIOGRAPHIES IN THE SERIES

Select Bibliography on Coastal Area Development and Environmental, Physical and Regional Planning in the Caribbean Region. - October 1980. - 9p. - (CEPAL/CARIB 80/10).

